

JAPROZ SINGH SAINI

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EDUCATION

Georgia State University
B.S. in Computer Science

Expected Graduation – Dec 2026

- **Cumulative GPA** – 3.6
- Rocketry Club – Founding member · ATL Sikhs – Executive · Computer Science Club
- **Relevant Coursework** – Computer Organization , Systems Level Programming , Programming Language Concepts, Calculus of II Variables, Discrete Mathematics, Linear Algebra, Probability & Statistics

EXPERIENCE

Georgia State University
Event Operations Technician

Jan 2024 – Present
Atlanta, GA

- Set up and monitored events for conferences, student organizations, and external clients
- Monitored all activities, reservations, and programs during the designated hours of operation and enforced all building policies and safety regulations.
- Made appropriate decisions regarding behavior and actions, and accepted responsibility for team actions, managed time effectively, acted in a dependable manner, and fulfilled job requirements completely

Georgia State Production Network
Engineering Assistant

Sep 2023 – Jan 2024
Atlanta, GA

- Helped produce college football and basketball game shows for ESPN & performed camera work and graphics work
- Setup and make sure that equipment like cameras, hardware and networks work as intended
- Handled networking and cable management for music concerts

PROJECTS

Java Class Parser

Jun 2023 — C · Bash · Java

- A fully spec-compliant parser for the Java Class file format
- Studied the full Class file format specification and implemented the parser accordingly

Fast Key-Value Store

Feb 2020 — C · Python

- A minimalistic key-value store written in C aimed at speed
- Vettel performs better than existing key-value stores like Redis **in some cases**

WYSIWYG Note Editor

Dec 2021 — TypeScript · NextJS

- A simple yet powerful note-editor with modern features like WYSIWYG editor, complex document nesting, and dark mode
- Featured on the ProductHunt home page within 24 hours of launch

SKILLS, LANGUAGES, INTERESTS

- **Languages:** English, Hindi/Urdu, Punjabi, Spanish (A2)
- **Programming:** C, TypeScript, Python, C++, Bash
- **Interests:** Systems Engineering, CTFs, Sports, Engines, Artificial Intelligence

HONORS & AWARDS

1st place at Truist CTF

Atlanta, GA

Issued by *Truist Bank & Georgia State University*

Nov 2024

- Capture the Flag event organized by Truist Bank where my team came first and won a cash reward of \$2000+

1st place at CodeDay Delhi

New Delhi, IN

Issued by *CodeDay*

Nov 2022

- Took part in my first hackathon which consisted of around 200 high school students from all over India and won 1st place

OPEN SOURCE CONTRIBUTIONS

Fprime

JPL's flight software embedded framework

Jan 2024 — C++

JSD

NASA JPL SOEM device drivers

Sep 2023 — C

Fig Autocomplete

IDE-like autocomplete for terminals

Aug 2021 — Typescript